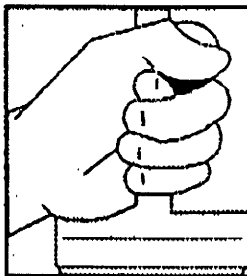




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### FAX TRANSMISSION

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TO: Robert Davidson  
FROM: P. Collins  
DATE: 3/29/99  
SUBJECT: Sample Field notes  
NO. OF PAGES (including this pg.): 3

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ACT/007/012  
# 2

These are my field notes for sampling methods  
of that coal material,  
I can add the depth info to the MRP.

**FIELD NOTES**  
**SOIL/COAL SAMPLING**  
**February 1, 1999**

P.D. Collins

## INTRODUCTION

As requested by DOGM, I took soil/coal samples from the reclaimed coal storage area at Wellington.

## METHODS

First I divided the entire area up in approx. quarters. Within each quarter I place 5 wooden stakes in the ground randomly. At each of these 5 locations, I had the backhoe operator from Scamp dig a pit to the depth of the coal material.

The first quarter was in the nw section (1-5) followed by the sw (6-10), then the se (11-15) and finally the ne (16-20). We also put 5 sample locations at approx. regular intervals on the berm beginning when the road crosses it (21-25). A sample map was made in the field and another is shown below.

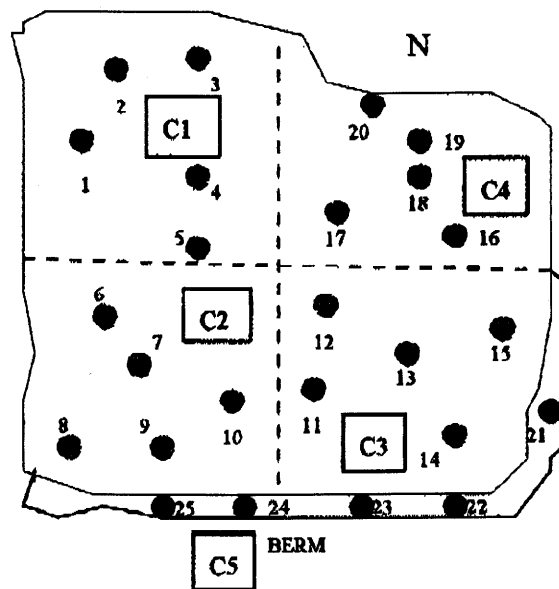
I then brought all the samples back to Salem with me and thoroughly mixed each quarters samples to make composite samples. The following association were made.

SAMPLES	COMPOSITE SOIL NUMBER (DATE)	LOCATION QUARTER
1-5	Wellington 1C (2/1/99)	nw
6-10	Wellington 2C (2/1/99)	sw
11-15	Wellington 3C (2/1/99)	se
16-20	Wellington 4C (2/1/99)	ne
21-25	Wellington 5C (2/1/99)	berm

After mixing the soils/coal samples I bagged 2 composite samples per location. The next day I took one sample of each to BYU Soils Lab and sent another to IML in Farmington NM. The following parameters were requested.

BYU	IML
pH EC Acid forming potential Boron	Selenium

## SAMPLE MAP



Coal depth or depth to the native soil was recorded at each location (see below). A suggestion to survey the points in was made to Andalex.

1=15"  
2=1"  
3=11"  
4=6"  
5=16"

6=21"  
7=25"  
8=32"  
9=37"  
10=20"

11=25"  
12=32"  
13=44"  
14=30"  
15=42"

16=47"  
17=47"  
18=29"  
19=15"  
20=51"